Datasheet for ABIN7558765
MORC4 Protein (AA 1-928) (His tag)

Overview

Quantity:	1 mg
Target:	MORC4
Protein Characteristics:	AA 1-928
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MORC4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Morc4 Protein expressed in mammalian cells.
Sequence:	MLLYRGAPAG PGTPGGGLAR AGSVPQAFRI RLSTMSPRYL QSNSSSHTRP FSAIAELLDN AVDPDVSART VFIDVEEVKK KPCLTFTDDG CGMTPHKLHR MLSFGFTDKV IKKSQRPIGV FGNGFKSGSM RLGKDALVFT KNGNTLAVGL LSQTYLECIQ AQAVIVPIVP FSQQNKKMIV TEDSLPSLEA ILNYSIFNCE KDLLSQFDAI PGKKGTRVLI WNIRRNKDGK SELDFDTDQY DILVSDFDAE EKEIGGVTSE LPETEYSLRA FCSILYMKPR MKIFLRQKKV TTQMIAKSLA NVEYDIYKPT STNKQVRITF GFSCKYHNQF GVMMYHNNRL IKAFEKAGCQ LKPTCGEGVG VIGVIECNFL KPAYNKQDFE YTKEYRLTIN ALARKLNAYW KEKISQENFE PLPTSRRIPD QTWVQCDECL KWRRLPGMVD PSTLPARWFC YYNPHPKFKR CSVPEEQERI DEDLHRSKAK QQVEAAEKKQ KPMESDKYQV FSNPPKTPPL QDMAELNDKT IGYEQINSPS LLPSVREESR SPPRLKSLDS SAFQISRKYK LILGEEPVEK RRKIQTEMPL SPIDYSMSGF YRRVEAATAY PEGENSPDKC SSERSTPPHL IPEYPESNKH TEENREAPAL CPGSQDQDQG FLLPEELEDQ MPKLVAEESN RSSENIDKDM NKGPFVAVVG VAKGVADSGA PIQLVPFNRE EFVGKRKRAE

Product Details

SWKRANPYSS AAPAATAGKG KDCQDSRSRN MPKIKTPKES EELKRTTEKL ERVLAERNLF QQKVEELEQE KNHWHSEYKK AQHELVTYST QETEGIYWSK KHMGYRQAEF QILKAELERT KEEKQELKEK LKETESHLEV LQKAQVSFRN PEGDDLERAL ARLTRLRVHV SYLLTSVLPH LELREIGYDS EQVDGILYTV LEANHILD **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	MORC4
Alternative Name:	Morc4 (MORC4 Products)
Background:	MORC family CW-type zinc finger protein 4 (Zinc finger CW-type coiled-coil domain protein 2),FUNCTION: Histone methylation reader which binds to non-methylated (H3K4me0), monomethylated (H3K4me1), dimethylated (H3K4me2) and trimethylated (H3K4me3) 'Lys-4' on histone H3 (By similarity). The order of binding preference is H3K4me3 > H3K4me2 > H3K4me1 > H3K4me0 (By similarity). {ECO:0000250|UniProtKB:Q8TE76}.

Target Details

Molecular Weight:	105.7 kDa
UniProt:	Q8BMD7

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months